



Aum Enzymes
India's #1 Speciality Enzyme Products

FEEDZYME-APG

Amylase, Protease & Beta glucanase

BENIFITS

- Improves the digestibility of cereal -containing feeds
- Break down beta-glucans, which are anti nutritional factors
- Improves the digestibility of non-starch polysaccharides (NSPs)
- Reduces sticky and wet dropping
- Improves growth and final live weight
- Improves feed conversion ratio (FCR)
- Improves egg size and quality in layers; reduces dirty eggs
- Saves cost by permitting flexible use of less expensive feed ingredients
- Eco- friendly and bio-degradable

DESCRIPTION

Feedzyme-APG is a mixture of amylase, protease and beta-glucanase enzymes produced by SSF techniques from a selected strain of *Bacillus* & *Aspergillus species*. The amylase will randomly hydrolyze amylose and amyl pectin in starch into dextrin and oligosaccharides, where as the protease will hydrolyze wide range of proteins into shorter chain length peptides. Besides, amylase and protease, the beta-glucanase will hydrolyze beta-glucans into oligosaccharides and some mono,di and trisaccharides. Feedzyme-APG also has side enzymes like cellulase and hemicellulase. Feedzyme-APG is high performance feed enzyme.

Feedzyme-APG is a mixture of amylase, protease and beta-glucanase enzymes to be used in feed industry. The amylase and protease enzymes in Feedzyme-APG improve the digestibility of cereal containing feeds. The beta-glucanase break down beta-glucans, which are anti-nutritional factors and thus decrease the viscosity of gut contents. This also helps in reducing sticky droppings. Feedzyme-APG also contains side enzymes like cellulase and hemicellulase which improves the digestibility of non-starch polysaccharides (NSPs) like cellulose, hemicellulose and pentosans which are present in feedstuffs. The NSPs are broken down into simple compounds which the birds can digest and utilize. Feedzyme-APG increases the Metabolized Energy (ME) content of the diet, as well as improves its protein and fat utilization.

PRODUCT SPECIFICATION TYPE

Form & appearance	Powder	Free flowing ,light brown
Parameters	Optimal range	Operational Range

Temperature	30°C-60°C	25°C -70°C	
pH	4.5-7.0	2.5 - 8.5	
Microbial source : Bacteria	<i>Bacillus and Aspergillus species</i>		
Enzymes type & activity	Amylase 5000U/gram	Protease 5000 U/gram	Beta-glucanase 2500 U/gram

APPLICATION & DOSAGE

There are many factors that influence usage of Feedzyme-APG, such as, type of species, feed composition, ingredient and nutrient specification of feed.

The recommended dosage of Feedzyme-APG is 100 gram per tonne [1000kg] of feed. For best result of Feedzyme-APG, it is mix thoroughly in the feed.

SAFETY

The product is produced under hygienic condition and is subject to stringent quality control.

TOXICOLOGY

The product produced by GRAS microorganism and is classified as non toxic.

BIODEGRADABILITY

Product is Biodegradable

Handling precaution

Enzymes are proteins and inhalation of dust or aerosols may induce sensitization and may cause allergic reactions in sensitized individuals. Some enzymes may irritate the skin, eyes and mucous membranes upon prolonged contact.

REGULATORY INFORMATION:

EEC Classification

In concentration form, the liquid enzymes products are classified as “sensitizers by inhalation” under the terms of EEC directive 88/379.

STORAGE:

Enzyme products should be stored in a cool dry place. When stored below 35°C products will maintain its declared activity for at least 24 months.

PACKAGING:

Enzyme products are available in 25 Kilogram HDPE fiber drum. Special packaging is also available on request.

TECHNICAL SERVICE:

Aum Enzymes technical service laboratory shall be pleased to provide more information covering specific applications for all products or discuss any practical problem which many occur in the industry. Technical datasheet given with each product are only given as usage guidelines, but tests should be carried out under local conditions to fix the optimum dosages for animal species.

AUM ENZYMES

30, Bhakti Nagar, Nr. Jalaram Mandir, BORSAD-388 540.

Dist. Anand. (Gujarat) India.

Mobile: +91-9898383455

E-mail: info@aumenzymes.com, aumenzymes@gmail.com.

Website: www.aumenzymes.com